

Title (en)  
METHOD FOR PRODUCING LIGHT-EMITTING SEMICONDUCTOR COMPONENTS AND LIGHT-EMITTING SEMICONDUCTOR COMPONENT

Title (de)  
VERFAHREN ZUR HERSTELLUNG VON LICHEMITTIERENDEN HALBLEITERBAUTEILEN UND LICHEMITTIERENDES HALBLEITERBAUTEIL

Title (fr)  
PROCÉDÉ DE FABRICATION DE COMPOSANTS SEMICONDUCTEURS ÉLECTROLUMINESCENTS ET COMPOSANT SEMICONDUCTEUR ÉLECTROLUMINESCENT

Publication  
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Application  
**EP 16754243 A 20160810**

Priority  
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Abstract (en)  
[origin: WO2017032605A1] The invention relates, in one embodiment, to a method for producing light-emitting semiconductor components, which method comprises the following steps: A) providing a glass capillary (2) composed of a glass material, B) filling the glass capillary (2) with luminescent substances (3), C) sealing the glass capillary (2) in a sealing region (22) by melting the glass material such that the glass capillary (2) is closed by the glass material itself, and D) attaching the sealed glass capillary (2) to a light-emitting diode chip (4) such that the radiation emitted by the light-emitting diode chip (4) is converted into visible light by the luminescent substances (3) during operation, wherein in step C) a distance between the sealing region (22) and the luminescent substances (3) is at most 7 mm, and wherein the different luminescent substances (3) are separated from each other along a longitudinal axis (L) of the glass capillary (2).

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**H01L 33/50** (2010.01)

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